

CLAIMS

1. An installation comprising a vault housing a liquefied gas storage tank,
a chamber within the vault accessible to personnel, a liquefied gas inlet
5 pipeline leading to the gas storage tank, a liquefied gas supply pipeline
extending from the storage tank through a vaporiser out of the vault, at
least one first cabinet through which the liquefied gas supply pipeline
passes, the first cabinet being located in the chamber and housing
items of equipment in the liquefied gas supply pipeline which have an
10 associated risk of leakage, at least one first extractor fan
communicating with the first cabinet, and means separate from the first
extractor fan for changing the atmosphere in the chamber.
2. An installation according to claim 1, in which the liquefied gas storage
15 tank is adapted to store a combustible liquefied gas.
3. An installation according to claim 1 or claim 2, in which the said cabinet
has associated therewith a sensor able to detect leakage of the gas
and to generate a signal related to a condition of the atmosphere
20 therein, the sensor being operatively associated with a second
extractor fan communicating with the interior of the cabinet so as to
increase the rate at which air is extracted therefrom.
4. An installation according to any one of the preceding claims,
25 additionally including at least one further cabinet, the further cabinet
being located in the chamber and housing items of equipment
associated with the gas storage tank that have a risk of leakage
associated therewith, the interior of the further cabinet communicating
with the first extractor fan.
- 30 5. An installation according to any one of the claims, wherein the vault
includes a bulkhead making a gas- tight engagement with the storage

tank and defining one wall of the chamber, most of the storage tank being located within the vault but outside the chamber.

- 5 6. An installation according to any one of the preceding claims, including a liquefied gas pump in the liquefied gas supply pipeline, the liquefied gas pump also communicating with a source of purge gas stored above ground.
- 10 7. An installation according to claim 6, in which the pump is located in one of the first cabinets.
- 15 8. An installation according to any one of the preceding claims, in which the liquefied gas supply pipeline has associated therewith at least one vent pipeline having a valve disposed therein, the vent pipeline communicating with a stack above ground.
- 20 9. An installation according to any one of the preceding claims, in which the liquefied gas vaporiser is located in one of the first cabinets.
- 20 10. An installation according to any one of the preceding claims, the chamber having at least one fan associated therewith as said means for changing the atmosphere therein.
- 25 11. An installation according to any one of the preceding claims, wherein the liquefied gas supply pipeline has a plurality of isolation valves located therein, each valve being automatically operable on an unsafe condition being detected in the chamber or one of the first cabinets.
- 30 12. A vehicle refuelling station including an installation according to any one of the preceding claims.